

EFFICACY REVIEW

DATE: IN 12-14-88 OUT 3-14-89

FILE OR REG. NO. 499-EOU

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED November 15, 1988

DATE OF SUBMISSION November 9, 1988

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): (I), D, H, F, N, R, S _____

DATA ACCESSION NO(S). 408906-02
408906-03; Record Number: 236522; Action Code: 176
408906-04

PRODUCT MGR. NO. 409253-01 15-LaRocca

PRODUCT NAME(S) Whitmire Avert™ PT® 310 Abamectin Dust

COMPANY NAME Whitmire Research Laboratories, Incorporated

SUBMISSION PURPOSE Provide performance data requested in our 7/25/88
letter to support a new use for an old chemical -
indoor and non-food premise treatment.

Efficacy Review

CHEMICAL & FORMULATION Abamectin B₁ [A mixture of avermectins containing
≥ 80% avermectin B_{1a} (5-O-demethyl avermectin A_{1a} and ≤ 20% avermectin B_{1b}
(5-O-demethyl-25-de(1-methyl propyl)-25-(1-methylethyl) avermectin A_{1a})] 0.05%
(dust of 42 lbs. per cubic foot bulk density) (bait)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID)
Number 408906-02 are adequate to establish the free choice attractiveness of the
subject product to male and female German cockroaches and their nymphal stages
and thus satisfy the requirements of § 95-11(c)(3)(a)(1) and (b) on pp. 270-1 of
the Product Performance Guidelines. The data presented in MRID Number 409253-01
and referenced in MRID No. 408906-04 are adequate to establish efficacy of the
subject product against German cockroach in field testing and thus satisfy the
requirements of § 95-11(c)(3)(a)(2) and (c) on pp. 270-1 of the Product Performance
Guidelines. The data in MRID No. 408906-02 are adequate to establish effective-
ness of the subject product against the multiresistant HRDC strain of German
cockroach and thus support the claim "will also kill... resistant strains" which
appears on the side panel. While the data in MRID No. 408906-03 are not ade-
quate to meet the requirements of § 95-13 of the Guidelines for stored product
treatments, they do demonstrate biological effectiveness against a representative
stored products pest, the confused flour beetle, and thus are sufficient to sup-
port claims for drugstore beetle, grain weevils and carpet beetles in addition to
flour beetles. Any future claims for protection of stored products or commodities
from these pests will require submission of data from standard tests against black
carpet beetle and at least one other test species as listed in Section F. of Exhibit
7 on pp. 36-7 of 'Efficacy Test Methods', Vol. V (previously forwarded), depending on
commodities involved.

RL Vern L. McFarland, IRB